

## EXHIBIT 1



87/89

Deleyes  
Jr

FIGURE 7J

SEQ ID NO: 155-206	Genotype cons.	1
155-176	type 1	MSTNPKPORQTKNTNRRPDKVKFPGGGQIIVGGVYIIPRPR3PR1GYTratrKTSERSQPRQRQPIPKArpPGsWaqpG3yppp1YgmgG9mAGW
177-186	type 2	MSTNPKPORQTKNTNRRPDKVKFPGGGQIIVGGVYIIPRGRPRGTRATKTSERSQPRQRQPIPKArpPGsWaqpG3yppp1YgmgG9mAGW
187-190	type 3	MSTNPKPORQTKNTNRRPDKVKFPGGGQIIVGGVYIIPRGPBLGTRATKTSERSQPRQRQPIPKArpPGsWaqpG3yppp1YgmgG9mAGW
191-197	type 4	MSTNPKPORQTKNTNRRPDKVKFPGGGQIIVGGVYIIPRGPBLGTRATKTSERSQPRQRQPIPKArpPGsWaqpG3yppp1YgmgG9mAGW
198-205	type 5	MSTNPKPORQTKNTNRRPDKVKFPGGGQIIVGGVYIIPRGPBLGTRATKTSERSQPRQRQPIPKArpPGsWaqpG3yppp1YgmgG9mAGW
206	type 6	MSTLPKPORQTKNTNRRPDKVKFPGGGQIIVGGVYIIPRGPBLGTRATKTSERSQPRQRQPIPKArpPGsWaqpG3yppp1YgmgG9mAGW

  

SEQ ID NO: 155-206	Genotype cons.	97
155-176	type 1	LLSPRGSRPSNGPDRRSRNGLGVIDT1TCGFDLQGKIPVGAAPGGAAVARLAHGVRLEDINATGNLPCSFSSIFILALISCLtVPAsh
177-186	type 2	LLSPRGSRPBNGPDRRSRNGLGVIDT1TCGFDLQGKIPVGAAPGGAAVARLAHGVRLEDINATGNLPCSFSSIFILALISCLtVPAsh
187-190	type 3	LLSPRGSRPSNGPDRRSRNGLGVIDT1TCGFDLQGKIPVGAAPGGAAVARLAHGVRLEDINATGNLPCSFSSIFILALISCLtVPAsh
191-197	type 4	LLSPRGSRPSNGPDRRSRNGLGVIDT1TCGFDLQGKIPVGAAPGGAAVARLAHGVRLEDINATGNLPCSFSSIFILALISCLtVPAsh
198-205	type 5	LLSPRGSRPSNGPDRRSRNGLGVIDT1TCGFDLQGKIPVGAAPGGAAVARLAHGVRLEDINATGNLPCSFSSIFILALISCLtVPAsh
206	type 6	LLSPRGSRPSNGPDRRSRNGLGVIDT1TCGFDLQGKIPVGAAPGGAAVARLAHGVRLEDINATGNLPCSFSSIFILALISCLtVPAsh

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FIGURE 7J

SEQ ID NO: 155-206	Genotype cons.	Ferroni	
		G15V	R15P
155-176	type 1	MSTNPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW	MSTNPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW
157-186	type 2	MSTNPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW	MSTNPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW
187-190	type 3	MSTLPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW	MSTLPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW
191-197	type 4	MSTNPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW	MSTNPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW
198-205	type 5	MSTLPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW	MSTLPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW
198-206	type 6	MSTLPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW	MSTLPKPQDQTNTNRRPDPKFPGGCQIVNGGY11PRRSPRIGTAAKTCRSQPRGRQPIpkArtpGrsWaQPGC/pWP1YgnEGG/gNAGW

  

SEQ ID NO: 155-206	Genotype cons.	97	
		LISPGSRPSNGPDPRRRSRN1	LISPFSGSRPSNGPDPRRRSRN1
155-176	type 1	LISPGSRPSNGPDPRRRSRN1	LISPGSRPSNGPDPRRRSRN1
157-186	type 2	LISPGSRPSNGPDPRRRSRN1	LISPGSRPSNGPDPRRRSRN1
187-190	type 3	LISPGSRPSNGPDPRRRSRN1	LISPGSRPSNGPDPRRRSRN1
191-197	type 4	LISPGSRPSNGPDPRRRSRN1	LISPGSRPSNGPDPRRRSRN1
198-205	type 5	LISPGSRPSNGPDPRRRSRN1	LISPGSRPSNGPDPRRRSRN1
206	type 6	LISPGSRPSNGPDPRRRSRN1	LISPGSRPSNGPDPRRRSRN1

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FIGURE 7J

Chien

SEQ ID NO.	Genotype cons.	Genotype 1	Genotype 2	Genotype 3	Genotype 4	Genotype 5	Genotype 6	
155-206		MSTNPKPQRPKAKRNTNRRPQPKPGGQIIVGGYILPRRSPRIGVatRKtSERSQPRQRQPIpkArpeGrMaqPGC/pmp1YgnEGCgWAGW						
155-176	type 1							
177-186	type 2							
187-190	type 3							
191-197	type 4							
198-205	type 5							
198-206	type 6							

  

SEQ ID NO.	Genotype cons.	Genotype 97	Genotype 1	Genotype 2	Genotype 3	Genotype 4	Genotype 5	Genotype 6	
155-206		LLSPGSRPNSGNDPRRSRNLYKVDTLTCFADLGGYIPLVIApTGVVARALANGYRAVEDINYATGNLPCCSFSIFLIAISCL1vPasA							
155-176	type 1								
177-186	type 2								
187-190	type 3								
191-197	type 4								
198-205	type 5								
198-206	type 6								

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FIGURE 7J

Miaymura

SEQ ID NO: 155-206	Genotype cons.	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW
155-176	type 1	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW
177-186	type 2	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW
187-190	type 3	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW
191-197	type 4	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW
198-205	type 5	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW
198-206	type 6	MSTNPKPQDKTANTNRRPDPKRPFGGGQIVGGYVLLPRRSPRGVRAcRctsSRSQPRGRQPIpkARrpGeGswaqPGIPWYgnEGGgNAGW

  

SEQ ID NO: 155-206	Genotype cons.	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash
155-176	type 1	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash
177-186	type 2	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash
187-190	type 3	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash
191-197	type 4	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash
198-205	type 5	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash
198-206	type 6	LISPRGSRPBNGDPPRSRNLYKVDT1TCGFADLNGYIPLVGAPlGGVARALANGYVRLEDDVNYATGN1PicsafSIF1LAlLSC1tvPash

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